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 SDIs in Caplus  
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FILE COVERS 1907 - 23 Jul 2004 VOL 141 ISS 5

FILE LAST UPDATED: 22 Jul 2004 (20040722/ED)

This file contains CAS Registry Numbers for easy and accurate  
 substance identification.

=> s fracturing fluid and polyacrylate

6493 FRACTURING  
356189 FLUID  
658 FRACTURING FLUID  
(FRACTURING (W) FLUID)  
20557 POLYACRYLATE

L1 7 FRACTURING FLUID AND POLYACRYLATE

=> d 11 1-7

L1 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

Full Citing  
Text References

AN 2003:490850 CAPLUS  
DN 139:55180  
TI Aqueous well treatment fluids, especially fracturing fluids, containing hydrophobically modified polymers and viscoelastic surfactants  
IN Couillet, Isabelle; Hughes, Trevor  
PA Schlumberger Holdings Limited, Virgin I. (Brit.)  
SO Brit. UK Pat. Appl., 43 pp.  
CODEN: BAXXDU  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2383355	A1	20030625	GB 2001-30880	20011222
	WO 2003056130	A1	20030710	WO 2002-GB5833	20021220
	W:		AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:		GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
PRAI	GB 2001-30880	A	20011222		

OS MARPAT 139:55180

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

Full Citing  
Text References

AN 2002:409282 CAPLUS  
DN 137:8438  
TI Well fracturing fluid with controlled viscosity containing initiators and encapsulated breakers for gelled polyacrylates  
IN Allan, Travis L.; Amin, Junad; Olson, Alan K.; Pierce, Ronald G.; Bobier, Dwight M.  
PA Can.  
SO U.S. Pat. Appl. Publ., 6 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002065359	A1	20020530	US 2001-966750	20011001
PRAI	CA 2000-2322102	A	20001002		

L1 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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AN 1993:563801 CAPLUS  
 DN 119:163801  
 TI Use of scale inhibitors in hydraulic fracture fluids to prevent scale build-up  
 IN Watkins, David R.; Clemens, Joseph J.; Smith, John C.; Sharma, Surinder N.; Edwards, Hetty G.  
 PA Union Oil Co., USA  
 SO U.S., 4 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5224543	A	19930706	US 1991-753200	19910830
PRAI	US 1991-753200		19910830		

L1 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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AN 1987:87424 CAPLUS  
 DN 106:87424  
 TI Stimulation of wells with carbon dioxide or nitrogen based fluids containing high proppant concentrations  
 IN Harris, Phillip C.; Reidenbach, Vincent G.; Chisholm, Pat T.  
 PA Halliburton Co., USA  
 SO U.S., 10 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4627495	A	19861209	US 1985-719669	19850404
	CA 1242389	A1	19880927	CA 1986-504672	19860320
PRAI	US 1985-719669		19850404		

L1 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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AN 1986:426907 CAPLUS  
 DN 105:26907  
 TI Substituted amino-alkyl sulfonic acid compounds and their use in the treatment of subterranean formations  
 IN Penny, Glenn S.  
 PA Halliburton Co., USA  
 SO U.S., 6 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4563291	A	19860107	US 1984-632770	19840720
	CA 1249712	A1	19890207	CA 1985-486051	19850628
	NO 8502676	A	19860121	NO 1985-2676	19850703
	AU 8545101	A1	19860123	AU 1985-45101	19850717
	AU 580613	B2	19890119		
	DK 8503307	A	19860121	DK 1985-3307	19850719
	EP 169074	A2	19860122	EP 1985-305157	19850719
	EP 169074	A3	19860625		
	R: AT, DE, FR, GB, IT, NL				
PRAI	US 1984-632770		19840720		

L1 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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AN 1975:550145 CAPLUS  
 DN 83:150145  
 TI Fracturing subterranean formations without damaging the formation  
 IN Tinsley, John M.  
 PA Halliburton Co.  
 SO U.S., 3 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3845824	A	19741105	US 1973-373579	19730625
PRAI	US 1973-373579		19730625		

L1 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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AN 1967:78062 CAPLUS  
 DN 66:78062  
 TI Additives for reducing fluid loss from wells  
 IN Dill, Walter R.  
 PA Halliburton Co.  
 SO Fr., 7 pp.  
 CODEN: FRXXAK  
 DT Patent  
 LA French  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1452415		19660909		
	DE 1240010			DE	
	GB 1118155			GB	
PRAI	US		19641027		

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# Patent Search

## Abstracts

**Number(s): GB 1118155**

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

TI Additives for reducing fluid loss from wells

AB A mixt. of particles of a resin sol. in petroleum and a gum sol. in H<sub>2</sub>O constitutes an excellent additive for redn. of fluid loss from petroleum and gas wells. The appropriate resins include modified acrylics, polystyrene, terpenes, o- or p-substituted phenolics, alkyds, etc., of 0.149-0.044 mm. diam. and softening point >66.degree.. The gums include natural gums, such as karaya and guar, and synthetic gums or polymers, such as polyacrylamide, Na polyacrylate, polyethylene glycol, MeOCH:CH<sub>2</sub>-maleic anhydride, and urethane-polyethylene glycol copolymers. The gum and resin are preferably premixed in the ratio of 4:1 to 1:4 and used in amts. of 204-18 kg./1000-kg. well-treatment fluid (particularly acidification fluids).

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# Patent Search

## Abstracts

**Number(s): GB 1118155**

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AB A mixt. of particles of a resin sol. in petroleum and a gum sol. in H<sub>2</sub>O constitutes an excellent additive for redn. of fluid loss from petroleum and gas wells. The appropriate resins include modified acrylics, polystyrene, terpenes, o- or p-substituted phenolics, alkyds, etc., of 0.149-0.044 mm. diam. and softening point >66.degree.. The gums include natural gums, such as karaya and guar, and synthetic gums or polymers, such as polyacrylamide, Na polyacrylate, polyethylene glycol, MeOCH:CH<sub>2</sub>-maleic anhydride, and urethane-polyethylene glycol copolymers. The gum and resin are preferably premixed in the ratio of 4:1 to 1:4 and used in amts. of 204-18 kg./1000-kg. well-treatment fluid (particularly acidification fluids).

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**1 answer(s) found in CAPLUS**

**1 answer(s) found in WPIDS**

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